

## Supplementary Material

**Table S1.** EMBASE query for identification of relevant studies in legionellosis ('legionellosis' query). The search request was the following: (#1 OR #2) AND (#3 OR #4) AND (#5 OR #6) AND (#7 OR #8) AND [embase]/lim AND [1985-2013]/py AND [humans]/lim.

#8	legionnaire*:ab,ti OR legionell*:ab,ti
#7	'legionnaire disease'/exp OR 'legionella pneumophila'/exp
#6	antimicrobial*:ab,ti OR antibacteri*:ab,ti OR antibiotic*:ab,ti
#5	'antimicrobial therapy'/exp OR 'antiinfective agent'/exp
#4	quinolon*:ab,ti OR fluoroquinolon*:ab,ti OR ofloxacin*:ab,ti OR ciprofloxacin*:ab,ti OR pefloxacin*:ab,ti OR trovafloxacin*:ab,ti OR levofloxacin*:ab,ti OR moxifloxacin*:ab,ti OR gatifloxacin*:ab,ti OR clinafloxacin*:ab,ti OR enoxacin*:ab,ti OR grepafloxacin*:ab,ti OR parfloxacin*:ab,ti OR norfloxacin*:ab,ti OR cinoxacin*:ab,ti
#3	'quinolone derivative'/exp OR 'quinolone'/exp OR 'quinoline derived antiinfective agent'/exp
#2	macrolide*:ab,ti OR azithromycin*:ab,ti OR clarithromycin*:ab,ti OR erythromycin*:ab,ti OR spiramycin*:ab,ti OR roxithromycin*:ab,ti
#1	'macrolide'/exp

**Table S2.** EMBASE query for identification of relevant randomised controlled trials in community-acquired pneumonia ('RCTs in pneumonia' query).

The search request was the following: (#1 OR #2) AND (#3 OR #4) AND (#5 OR #6) AND (#7 OR #8) AND [embase]/lim AND [1985-2013]/py AND [humans]/lim AND [randomized controlled trial]/lim

No.	Query
#8	pneumonia:ab,ti
#7	'pneumonia'/exp
#6	antimicrobial*:ab,ti OR antibacteri*:ab,ti OR antibiotic*:ab,ti
#5	'antimicrobial therapy'/exp OR 'antiinfective agent'/exp
#4	quinolon*:ab,ti OR fluoroquinolon*:ab,ti OR ofloxacin*:ab,ti OR ciprofloxacin*:ab,ti OR pefloxacin*:ab,ti OR trovafloxacin*:ab,ti OR levofloxacin*:ab,ti OR moxifloxacin*:ab,ti OR gatifloxacin*:ab,ti OR clinafloxacin*:ab,ti OR enoxacin*:ab,ti OR grepafloxacin*:ab,ti OR parfloxacin*:ab,ti OR norfloxacin*:ab,ti OR cinoxacin*:ab,ti
#3	'quinolone derivative'/exp OR 'quinolone'/exp OR 'quinoline derived antiinfective agent'/exp
#2	macrolide*:ab,ti OR azithromycin*:ab,ti OR clarithromycin*:ab,ti OR erythromycin*:ab,ti OR spiramycin*:ab,ti OR roxithromycin*:ab,ti
#1	'macrolide'/exp

15 Figure S1. Risk of bias summary: review of authors' judgments about each risk of bias item  
 16 for each included study, according to the Newcastle-Ottawa scale.

	Representativeness of the exposed cohort	Selection of the non-exposed cohort	Ascertainment of exposure	Demonstration of absence of outcome at inclusion	Comparability of groups	Assessment of outcome	Follow-up duration	Follow-up adequacy
Blazquez-Garrido 2005	+	+	+	+	-	+	+	+
Dournon 1990	+	+	+	+	+	+	+	+
Fogarty 2004	+	+	+	+	-	+	+	+
Gacouin 2002	+	+	+	+	-	+	+	+
Griffin 2010	+	+	+	+	-	+	+	+
Haranaga 2006	+	+	+	+	-	+	+	+
Lode 1995	+	+	+	+	-	+	+	+
Nakamura 2009	+	+	+	+	-	+	+	+
Querol-Ribelles 2005	+	+	+	+	-	+	+	+
Sabria 2005	+	+	+	+	-	+	+	+
Sokol 2002	+	+	+	+	-	+	+	+
Viasus 2013	+	+	+	+	-	+	+	+